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- (71) Applicants (for all designated States except US): COLORADO STATE UNIVERSITY RESEARCH FOUNDATION [US/US]; P.O. Box 483, Fort Collins, CO 80522 (US). BRIGHAM YOUNG UNIVERSITY [US/US]; Technology Transfer Office, 3760 HBLL, Provo, UT 84602 (US). CHILDREN'S HOSPITAL MEDICAL CENTER [US/US]; 3333 Burnet Avenue, Cincinnati, OH 45229 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LEPHART, Edwin, Douglas [US/US]; 1702 N. Meadowlark, Orem, UT 84097 (US) LUND, Trent, D. [US/US]; 3231 Wedgewood Ct., Fort Collins, CO 80525 (US), SETCHELL, Kenneth, David, Reginald [US/US]; 3849 Indianview Avenue, Cincinnati, OH 45227 (US). HANDA, Robert, J. [US/US]; 1132 Crestway Court, Fort Collins, CO 80526 (US).
- (74) Agent: NESBITT, Daniel, F.; Hasse Guttag & Nesbitt LLC, 7550 Central Parke Blvd., Mason, OH 45040 (US).
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#### Declaration under Rule 4.17:

as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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(54) Title: USE OF EQUOL FOR TREATING. ANDROGEN MEDIATED DISEASES

(57) Abstract: Equol (7-hydroxy-3(4'hydroxyphenyl)-chroman), the major metabolite of the phytoestrogen daidzein, spc. binds and blocks the hormonal action of 5 ox-dihydrotestosterone (DHT) in vitro and in vivo. Equol can bind circulating free DHT and sequester it from the androgen receptor, thus altering growth and physiological promoner responses that are regulated by androgens. These data suggest a novel model to explain equol's biological properties, The significance of equol's ability to specifically bind and sequester DHT from the androgen receptor have important ramifications in health and disease and may indicate a broad and important usage for equol in the treatment and prevention of androgen-mediated pathologies. Thus, equol can specifically bind DHT

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